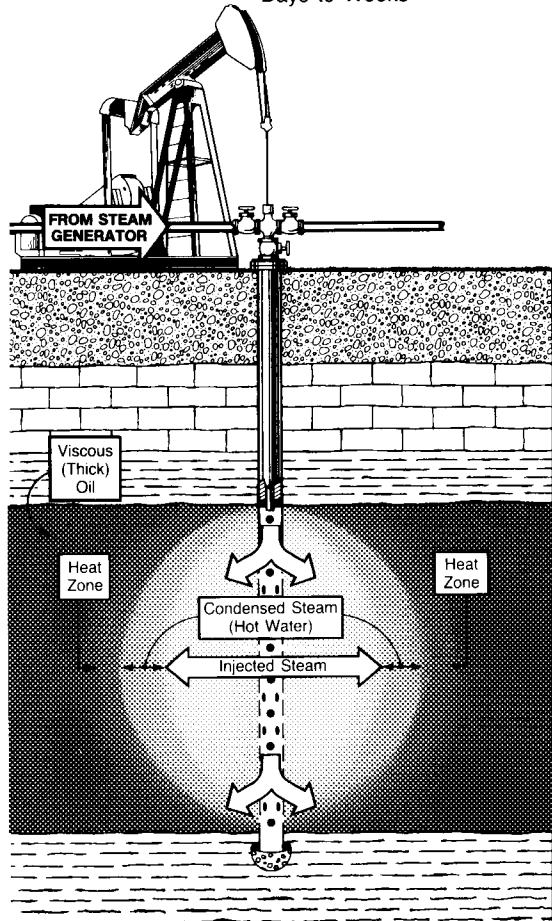


# CYCLIC STEAM STIMULATION

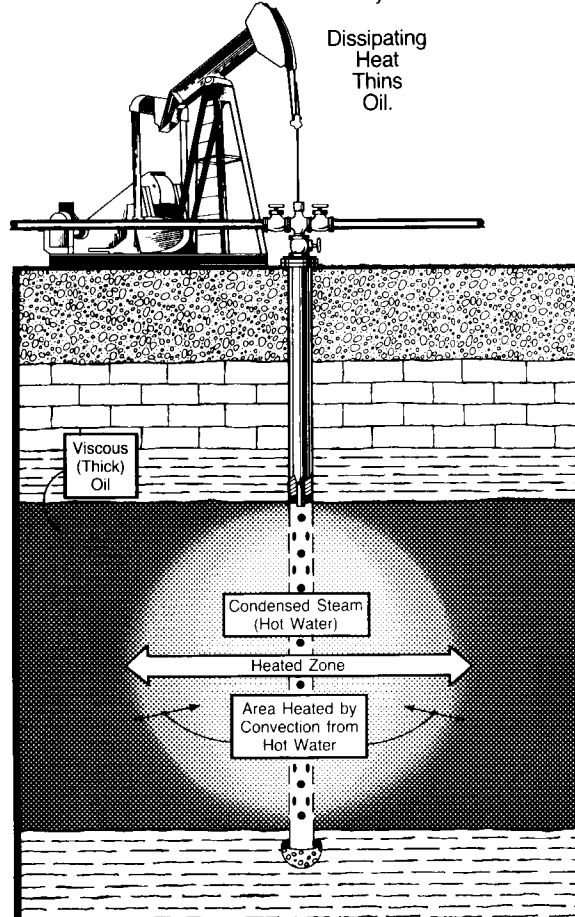
Steam, injected into a well in a heavy-oil reservoir introduces heat that, coupled with alternate "soak" periods, thins the oil allowing it to be produced through the same well. This process may be repeated until production falls below a profitable level.

*Schematic portrays one well during the 3 phases of this process.  
Flow pattern is stylized for clarity.*

**HUFF** (Injection phase)  
Days to Weeks



**SOAK** (Shut-in phase)  
Days



**PUFF** (Production phase)  
Weeks to Months

